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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/534,038		03/24/2000	Scott J. Wolf	7883.0004-02	2278
22852	7590	01/26/2005		EXAMINER	
	N, HEN	DERSON, FARAB	BIANCO, PATRICIA		
LLP 901 NEW Y	ORK AV	'ENUE, NW	ART UNIT	PAPER NUMBER	
WASHING	ron, do	20001-4413	3762		
				DATE MAILED: 01/26/2009	5

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

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		Application No.	Applicant(s)					
	Office Action Summan	09/534,038	WOLF ET AL.					
	Office Action Summary	Examiner	Art Unit					
		Patricia M Bianco	3762					
Period fo	The MAILING DATE of this communication or Reply	appears on the cover sheet v	with the correspondence ac	ddress				
THE - External after - If the - If NC - Failu Any I	ORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIO nsions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per re to reply within the set or extended period for reply will, by stately received by the Office later than three months after the man distribution. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of the riod will apply and will expire SIX (6) MC atute, cause the application to become a	a reply be timely filed nirty (30) days will be considered time DNTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).					
Status								
1)⊠	Responsive to communication(s) filed on O	1 November 2004.						
2a)⊠	This action is FINAL . 2b) ☐ This action is non-final.							
3) 🗌	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice unde	er <i>Ex parte</i> Q <i>uayle</i> , 1935 C.	D. 11, 453 O.G. 213.					
Disposition of Claims								
4)⊠	Claim(s) <u>15,16 and 18-29</u> is/are pending in	the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.							
. 5)□	5) Claim(s) is/are allowed.							
-	Claim(s) <u>15,16 and 18-29</u> is/are rejected.							
	Claim(s) is/are objected to.							
8)□	Claim(s) are subject to restriction an	d/or election requirement.						
Applicati	on Papers							
9)[The specification is objected to by the Exam	niner.						
10)	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to	the drawing(s) be held in abeya	ance. See 37 CFR 1.85(a).					
11)	Replacement drawing sheet(s) including the cor The oath or declaration is objected to by the	•						
Priority (ınder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
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Attach	****		·					
Attachmen 1) Notice	τ(s) e of References Cited (PTO-892)	4) 🗍 Interview	Summary (PTO-413)					
2) Notice (3) Inform	r No(s)/Mail Date	Paper No	o(s)/Mail Date f Informal Patent Application (PT	O-152)				

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DETAILED ACTION

Response to Amendment

In the amendment filed 11/01/04, claims 17 & 30-42 were cancelled. Claims 15,
 21, 24, 26 & 29 were amended. Claims 15, 16, & 18-29 remain pending.

Response to Arguments

2. Applicant's arguments with respect to claims 15, 16, & 18-29 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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Claims 15, 16, 18-20, & 24-29 are finally rejected under 35 U.S.C. 102(e) as being anticipated by LaFontaine et al. (6,092,526). LaFontaine discloses a method for performing chamber-to-artery bypass between a coronary artery and a heart chamber. LaFontaine teaches that a cutting device can be used to form a lumen (i.e. channel) through heart tissue starting from the coronary artery (col. 4, lines 36-41). Since one is starting the lumen through the coronary artery, it is inherent that the device would pass first through the anterior and then through the posterior wall of the vessel and through the heart wall. LaFontaine discloses creating a lumen in the wall using an instrument such as a cutting or debulking device, boring device, rotating blade, RF ablation, laser or any other suitable mechanical or energy device (col. 4, lines 11-35). LaFontaine further teaches that a stent may be placed in the created lumen and expanded by using a catheter system (col. 5, lines 54-64). With respect to the recitation in claim 29 that the implant does not extend substantially along an axial direction of the vessel, LaFontaine shows the implant extending within the passageway offset from the vessel's axis in figures. LaFontaine et al. also discloses that the method may include delivering a drug using a suitable delivery device into the lumen formed within the wall of the heart. The substance that may be delivered includes a growth factor to enhance endothelialization in the lumen (col. 7, lines 35-53). As shown in the embodiments of figures 5B-5F, LaFontaine discloses that a stent may be placed in the created lumen and expanded by using a catheter system (col. 5, lines 54-64). Thus, the limitation of radially expansion of the implant in the passageway is met.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 21-23 are finally rejected under 35 U.S.C. 103(a) as being unpatentable over LaFontaine et al. ('526) in view of Evans et al. (5,980,548). LaFontaine et al. disclose the invention substantially as claimed, see rejection supra, however, fails to disclose specifically that the implant or stent carry a substance for delivery to the heart wall, wherein the substance is for one of generating, stimulating, and enhancing blood vessel formation, and wherein the substance is chosen from angiogenesis factors and nucleic acid instructions for angiogenesis factors.

Evans et al. disclose inserts for deployment into the heart wall and where the inserts may be hollow, tubular members that are equivalent to a stent or implant, and the inserts can be coated with or contain growth factors, or a material that will provide vasculature or angiogenesis in the heart wall (col. 14, lines 15-20 & col. 16, lines 10-31). At the time of the invention, it would have been an obvious design choice to modify the stent of LaFontaine et al. by substituting the implant having a coating that contains growth factors or a material that will provide vasculature or angiogenesis in the heart wall as taught by Evans et al. to provide new growth of vessels and provide a lasting therapeutic effect, since substitution of parts which provide the same function would be within the level of ordinary skill in the art.

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Terminal Disclaimer

5. The terminal disclaimer filed on 11/01/04 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration dates therein has been placed in the file.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia M Bianco whose telephone number is (571)

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272-4940. The examiner can normally be reached on Monday to Friday 9:00-6:30, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Angela Sykes can be reached on (571) 272-4955. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

January 24th, 2005

Patricia M Bianco Primary Examiner Art Unit 3762

PATRICIA BIANCO